

Fig. 1

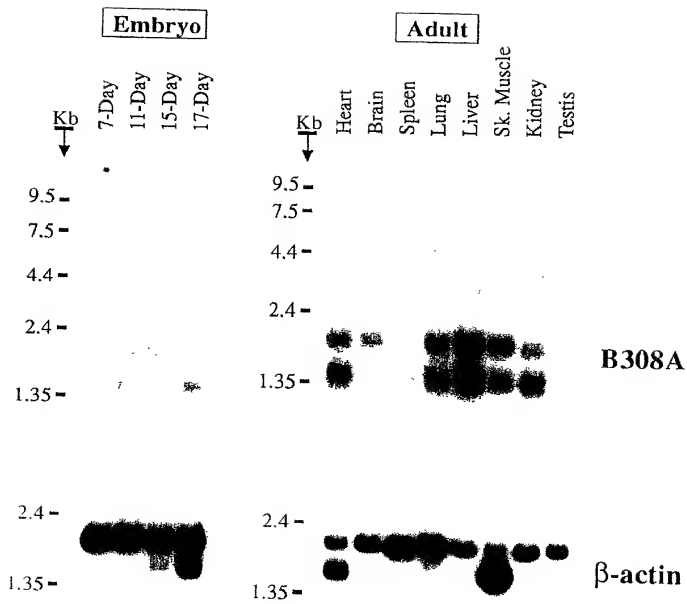


Fig. 2

1 TTGCCCTCAA CAAAGATGGT CTTTATGGTA CAGGTTCCCT AGCAGTCTGG
 51 ATTCCGGTGT TAGTTTTAGT TATTCTTTTT TTTTTTTTTT TAAACGGTAC
 101 GTGGTCGCAG ACGAAGAAAT GGAAGCCAGA GACAAGCAGG TACTCCGCTC
 151 CCTGCGTCTG GAGCTGGGTG CCGAGGTACT GGTGGAAGGA CTGTTCTTC
 201 AGTACCTTTA CCAGGAAGGA ATTTTGACAG AAAACCACAT TCAAGAAATC
 251 AAAGCTCAAA CCACAGGCCT CCGAAGACA ATGCTGTTGC TGGACATCCT
 301 GCCTTCCAGG GGCCCCAAG CTTTGTACAC CTTCCTCGAT TCCCTCCAGG
 351 AATTTCCCTG GGTAAAGAG AAGCTGGAGA AGGCGAGAGA GGAAGTCTCA
 401 GCCGAGCTGC CTACAGGTGA CTGGATGGCC GGAATCCCCT CACACATCCT
 451 CAGCAGCTCG CCATCAGACC AGCAGATTAA CCAGCTGGCT CAGAGGCTAG
 501 GCCCGGAGTG GGAGCCCGTG GTCTGTCTC TGGGACTGTC CCAGACCGAC
 551 ATCTACCGCT GCAAGGCCAA CCATCCCAC AACGTGCATT CGCAGGTGGT
 601 GGAGGCCTTT GTCCGCTGGC GCCAGCGTTT TGGGAAGCAG GCCACCTTCC
 651 TAAGCTTACA CAAGGGCCTC CAGGCAATGG AGGCTGATCC TCCCTGTCTC
 701 CAGCACATGC TGGAGTGACC TGACCCCCC CCGGCCCCC CCCCACCTTG
 751 CTGTGGGGT GGTGGGGCGT GGGTCCCAA GTCACACTGG CTGAACCGGA
 801 CTTTCTCTAG CAGGTGGCTT TGTCTGGGC TTTTCAGTGA TCTGTTTACG
 851 GAAAGAGATC GTCCACCACT CACTCAACCA TCGATTGGCT TTAATTGCTT
 901 GAAGACTGCG CTGTTGTAAC TATGTTTGG AACTTTTGG CTGCGCTTTA
 951 ACAGGAGGCC AGAAAAACA CAACACCCAC CCTACCCAAC CCCCCAAAA
 1001 ATCATGCTAC AGCATCGAAT GCAGGTGTCC TGCATACAAG GCAGCTACAC
 1051 TTGTGTTGCC TGGAGACTGG ATTGTGCATT TAGCTCTTCA TAATGGTGAT
 1101 GATAATAAAA AAGCAAATTG TGATATAGAA TGTGCCTCTT TCAATGAGAG
 1151 AGTATTATAT CACACACACA CACACACACA CACACACACA TACACACACA
 1201 CACACCAATC TTCTGTTGCA TAGACGGAGG GTGTAAAAAT ATGGAGGTGG
 1251 AGCAAGATTG ATAGCAGTCA TGTGACGACG GAGATAAATA ACTCAGGCAG
 1301 GATGTATAGA TTAAGCATGA GACACCGAAG CTCCCTGCAG AGGCCAGGGA
 1351 GAGAACGGAA GACCTTCATC TTAACAAATT GTATGAGGAG TCTCTGTCCA
 1401 TTTGTTAAAG GCATTGGATC AGAGACAAGA GGGCTCAGTG TTTCTCTTGA
 1451 GGCCTGAATG GCTGAAGGCG GTGAGTTCCT GAGGGGCGTC ATGGGTTGTC
 1501 CAGCCTTTCA TTAACGACAC ATAGTGTAG CCAGACAGGT GTACGTGTTT
 1551 GTCATCCCAT CTAAGAGACT GAAGCAGGAG GATCACCTGT ACATGACTGC
 1601 TTCTTTCAAC ATTTTAAAT GTGTAACCTC TATTAATTC TCTCAGTGCA
 1651 AAAAAAAAAA AAAAAA

Fig. 3A

MEARDKQVLRSLRLELGAEVLVEGLVLQYLYQEGILTENHIQEIKAQTTG
 LRKTMILLDILPSRGPKAFDTFLDSLQEFFWVREKLEKAREEVS AELPTG
 DWMAGIPSHILSSSPSDQQINQLAQR LGPEWEPVVL SLGLSQTDIYRCKA
 NHPHNVHSQVVEAFVRWRQRFGKQATFLSLHKGLQAMEADPSLLQHMLE"

Fig. 3B

(1) →
 1 GAAGAAATGG AAGCCAGAGA CAAGCAGGTA CTCCGCTCCC TCGCTCTGGA
 (2) →
 51 GCTGGGTGCC GAGGTACTGG TGAAGGACT GGTCTTCAG TACCTTTACC
 101 AGGAAGGAAT TTGACAGAA AACCACATTC AAGAAATCAA AGCTCAAACC ←
 (3) ←
 151 ACAGGCCTCC GGAAGACAAT GCTGTTGCTG GACATCCTGC CTCCAGGGG
 (4) ←
 201 CCCCAAAGCT TTGACACCT TCCTCGATTC CCTCCAGGAA TTTCCTTGGG
 251 TAAGAGAGAA GCTGGAGAAG GCGAGAGAGG AAGTCTCAGC CGAGCTGCCT
 301 ACAG

Fig. 4

1 ggaaatggag gctagagaca agcaagtget tcgctccctt cgctggagt
 51 tgggtgcaga ggtactggtg gaggggctag tcctccagta tctttatcag
 101 gaaggggtct tgacagaaag ccacgttcaa gaaattaaag ctcaagccac
 151 aggcctccgg

Fig. 5

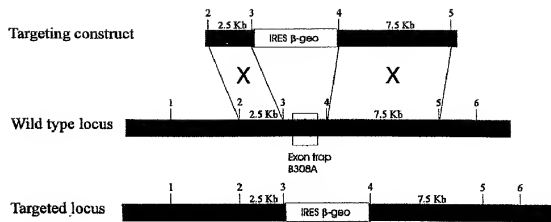


Fig. 6

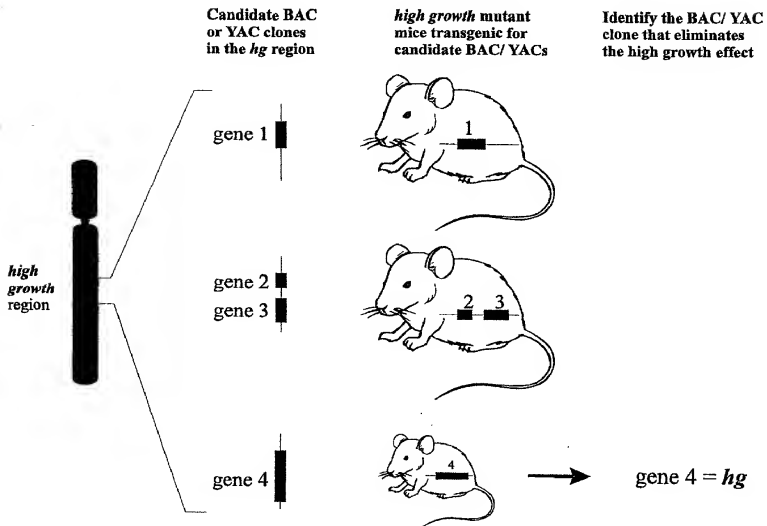


Fig. 7

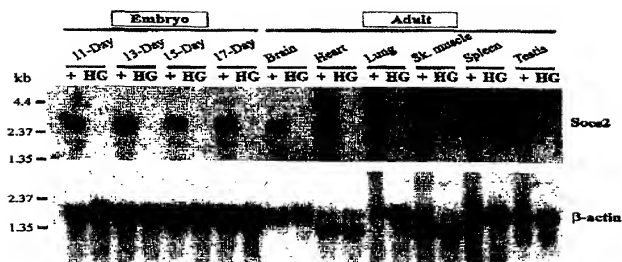


Fig. 8

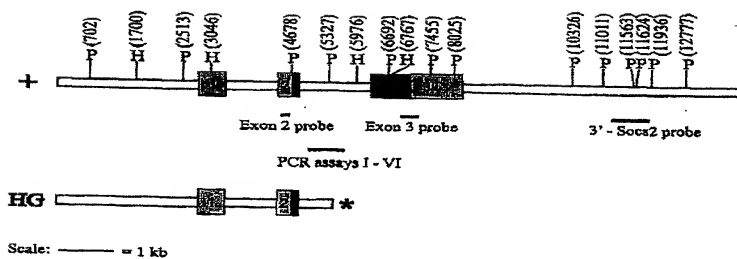


Fig 9a

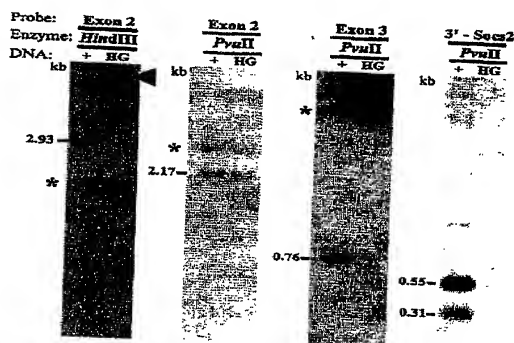


Fig 9b

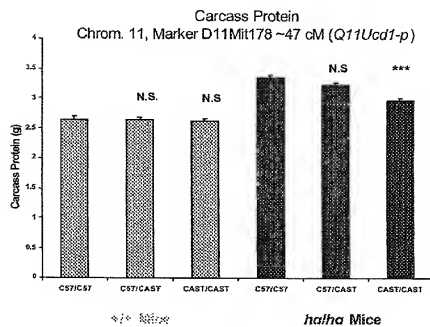
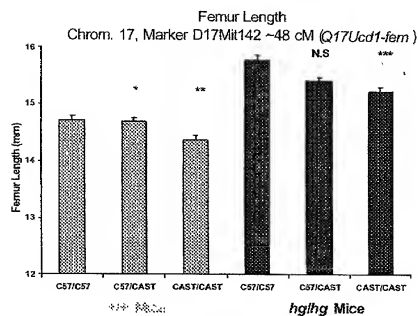
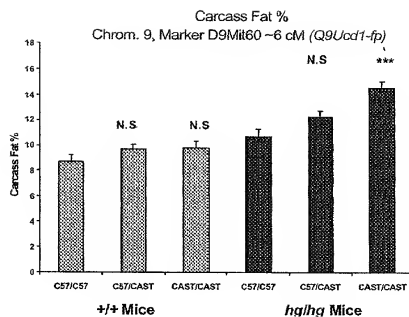
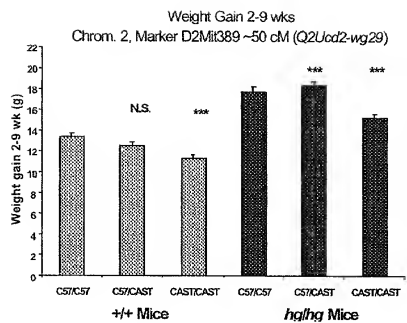
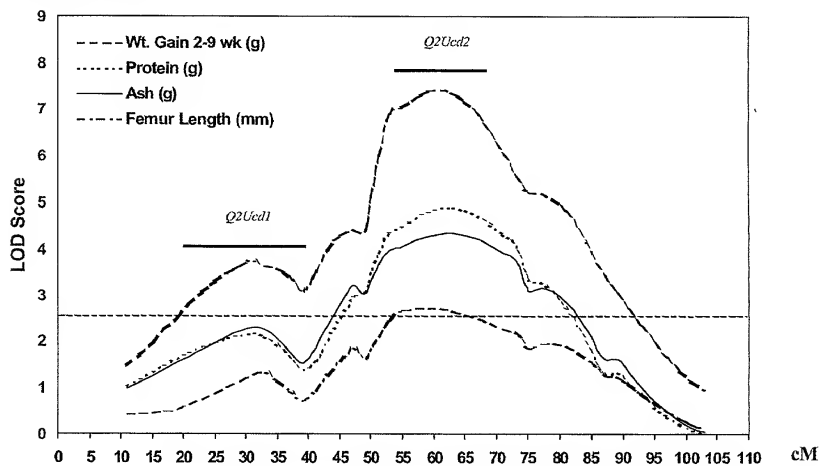


Fig. 11

A: *hghg* mice



B: *+/+* mice

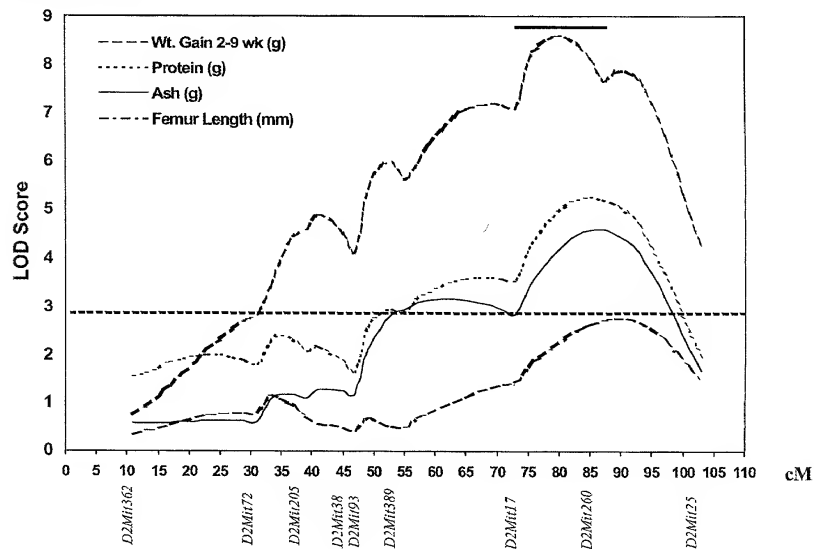


Fig. 12

Deletion breakpoint in
intron 2 of *Socs2/Cish2*

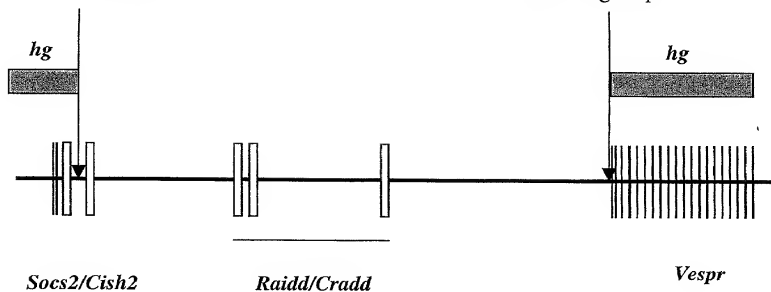


Fig. 13

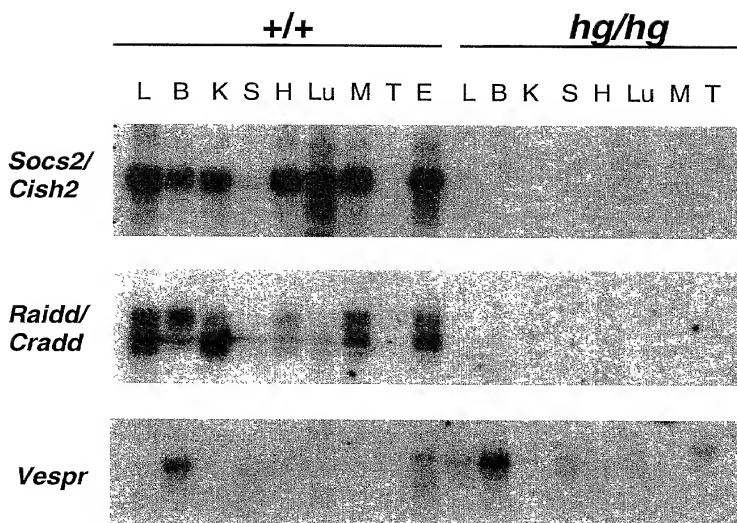


Fig. 14